

# Welcome Data Governance Commission Meeting

May 17, 2013

10:00 am



# Agenda

1. Call to Order
2. Roll Call
3. Approval of Minutes
4. Legislative Update by Chris Kotterman/Aiden Fleming
5. Discussion and possible adoption: AELAS Funding options
6. Presentation by Josh Allen: Preschool Data System Needs
7. Chris Kotterman: Policy Discussion and Possible Direction to Staff on Preschool Data System Needs (A.R.S. § 15-249.01 (C))
8. Presentation by Amit Soman: Third party AELAS assessment
9. Presentation by Mark Masterson: IMS Status Update
10. Presentation by Komal Dubey: School Finance Data Push
11. Budget Recommendations:  
*\*Pursuant to A.R.S. § 15-249.01(2) - Provide recommendations on technology spending*
  - SAIS Phase I Replacement \$ 1,200,000
  - Improve internal ADE programs \$ 1,200,000
12. Public Testimony  
*\*Individuals wishing to speak must fill out a request to speak form and submit it to Data Governance staff.*
13. Adjourn

# ADE IT Modernization Effort Update



Presented to:  
Data Governance Commission  
May 17, 2013

Mark T. Masterson  
Chief Information Officer

# Agenda

- Legislative update
- AELAS funding models discussion and possible adoption
- Preschool data needs presentation by First Things First
- Policy discussion and possible direction to staff on preschool data needs
- Third party AELAS assessment (REMOVED)
- IMS status update
- Data push presentation
- Fourth quarter budget request
  - Infrastructure Bank



Chris Kotterman

# **AELAS FUNDING**

# AELAS Senate budget: \$24M to fund ADE full request

## Arizona gets

- Fully supported ADE IT Operations
- Eliminate risk of catastrophic failure of school finance system, likely within 2 years
- SLDS to 20 districts or charters by SY2015/SLDS real-time and longitudinal data statewide by end of 2018
- Opt-in teacher/classroom tools **statewide** by end of 2018 – schools/districts added incrementally
  - Assessment, Student Information System (SIS), Content Management (CM), Learning Management (LM), Educator Evaluation, Individual Education Plan (IEP), Substitute Management, Nutrition Management, Transportation Management)

## Impacts to Education in Arizona

- Education Intelligence timely available to educators, parents, policy makers
- Accurate and reliable student payments and data
- \$80M+ savings annually redirected back into the classroom
- Useful information for teachers to help deliver curriculum in the classroom
- Confidence that all districts and charters receive funding as intended
- Real-time information to impact individual student progress in the classroom



Josh Allen, First Things First

# **PRESCHOOL DATA NEEDS**



FIRST THINGS FIRST

*Ready for School. Set for Life.*

# STATEWIDE EARLY CHILDHOOD SYSTEM BUILDING

## Measuring Local Results



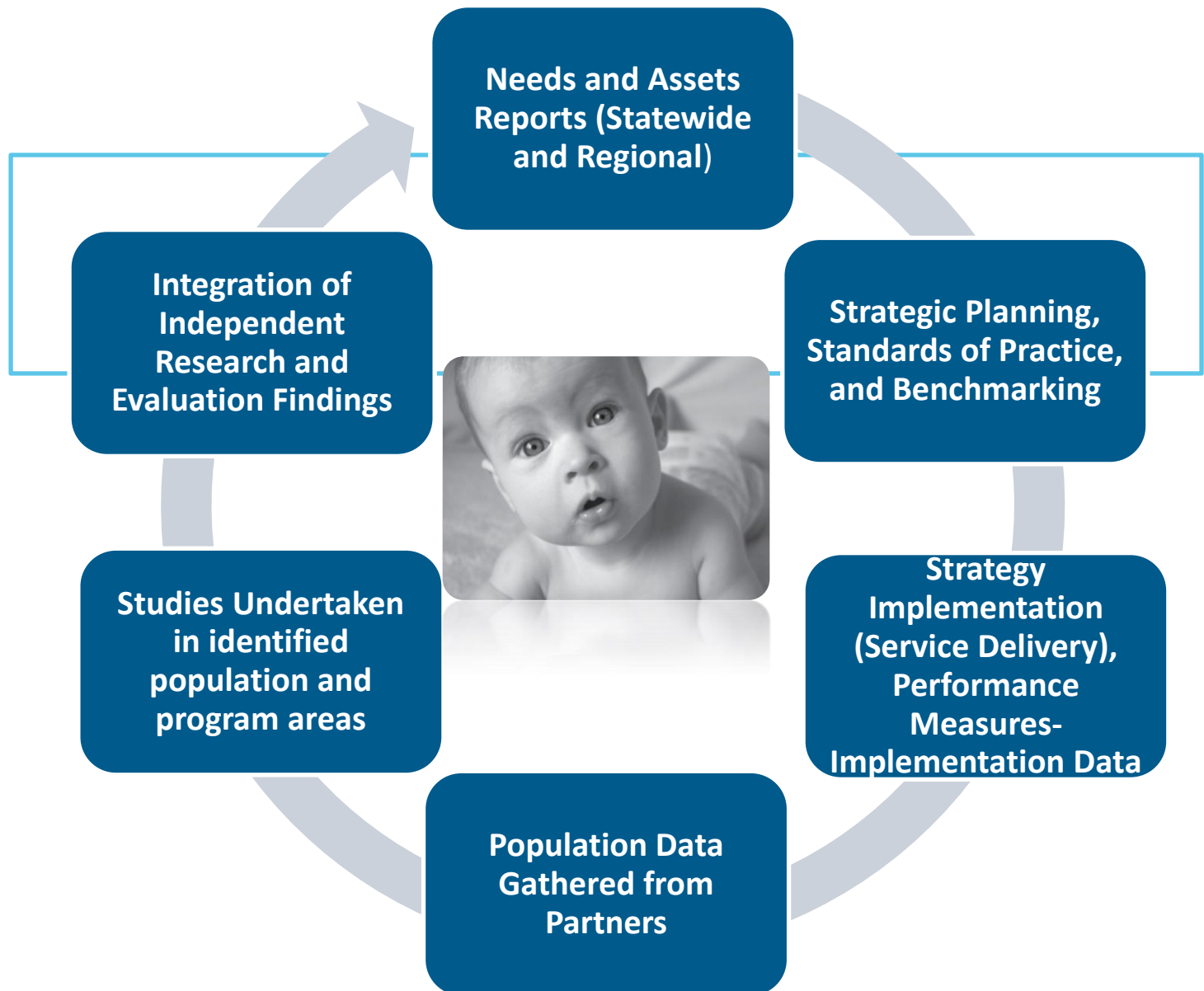
May 17, 2013



FIRST THINGS FIRST  
*Ready for School. Set for Life.*



# DATA AND PLANNING CYCLE

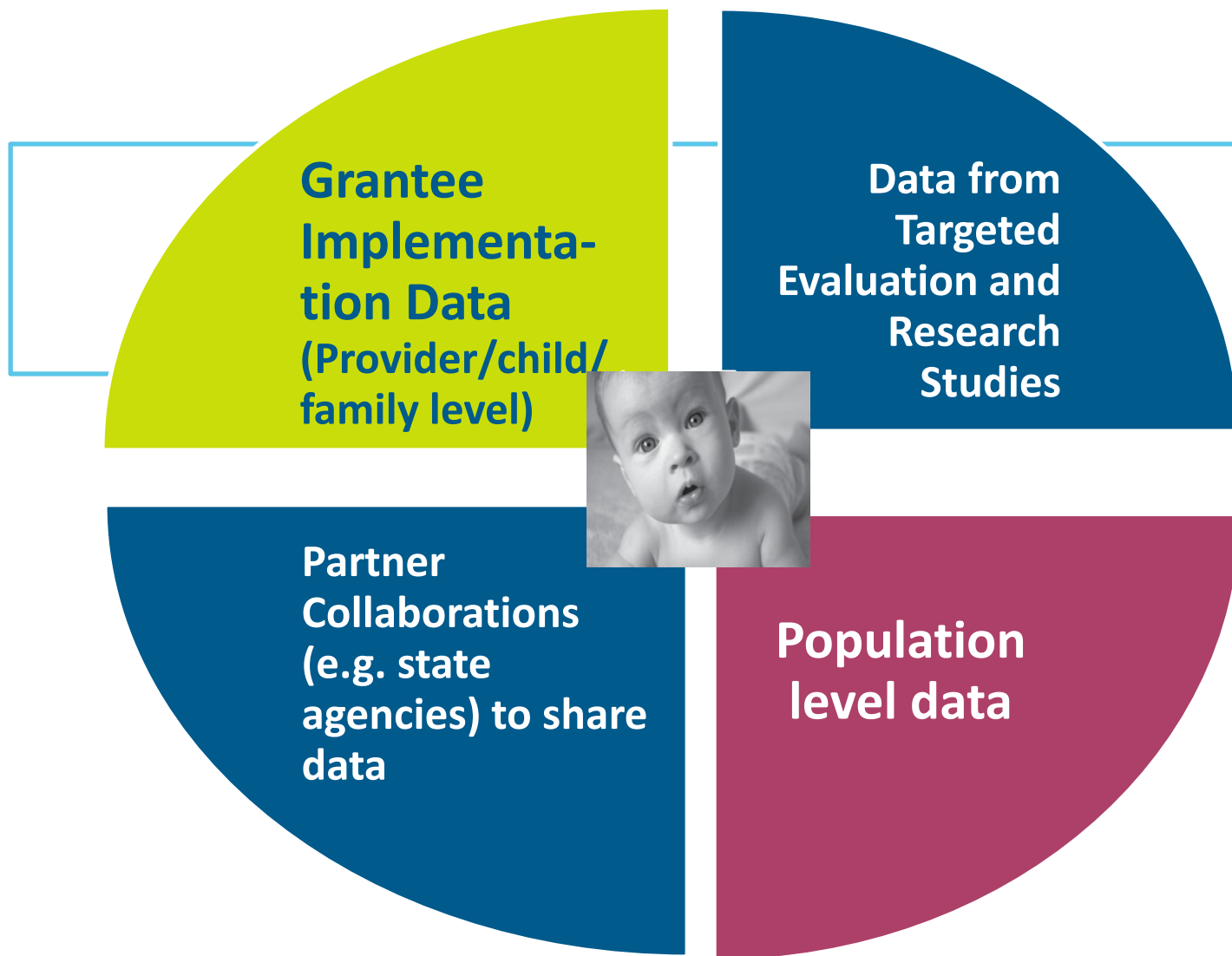




FIRST THINGS FIRST

*Ready for School. Set for Life.*

# INTEGRATED DATA SYSTEM/FEDERATED DATABASE

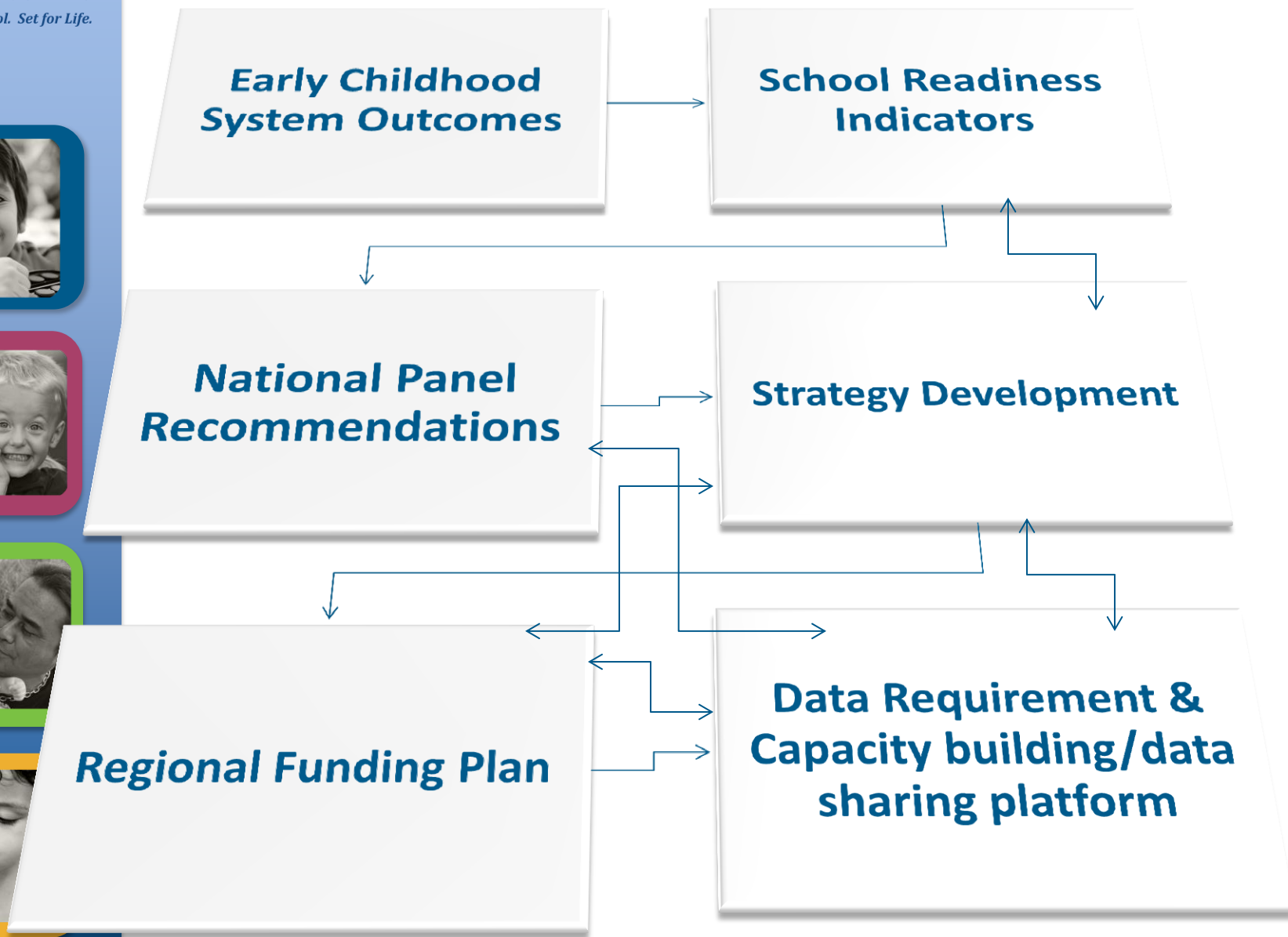




FIRST THINGS FIRST  
*Ready for School. Set for Life.*



# Data Driven Decision Making



# DGC policy discussion

15-249.01 C. The commission shall identify, examine and evaluate the needs of public institutions who provide instruction to pupils in **preschool**, kindergarten, grades one through twelve and postsecondary programs in Arizona



Mark Masterson

# IMS STATUS UPDATE

# Project status

- Originally anticipated all SIS vendor federation would be complete
- Vendor SIS integration and testing currently underway
  - Testing with Pearson PowerSchool
  - Testing with Edupoint by the end of the May
  - Hope to begin testing with Infinite Campus and Tyler tech by the end of June
- New system implementations will use IMS provisioning
- Using IMS before SIS integration requires rework to get to federated access

# Project progress to date

- HR uses IMS to create employee and contractor access
- MCESA systems using IMS for ADE access
- SLDS is working in IMS
  - Scheduling implementation to federated access through the SIS
- The system is configured for high availability and scalable as the users and systems grow

# Future work scheduled

- June/July implementations
  - Grants management
  - Move on When Reading
  - Phase 2 Decision Support Reporting System
  - Assessments
- Coordinating SIS configurations with SDLS implementation and training and other vendor configuration
- Additional IMS features
  - Linking CommonLogon accounts
  - Parent and student access
  - Expanded self service

# Customer impacts

- Internal impact
  - HR department drive the provisioning process and control the user creation and removal
  - IT involvement limited to installing desktop computer
  - Roles can be assigned via the IMS role or permission assignments
- External impact
  - Access will be provided primarily through the federated processes
  - Access can also be granted and administered by district personnel where the roles or state permission is needed
- Federated access removes standard access assignments from the state

# Next steps

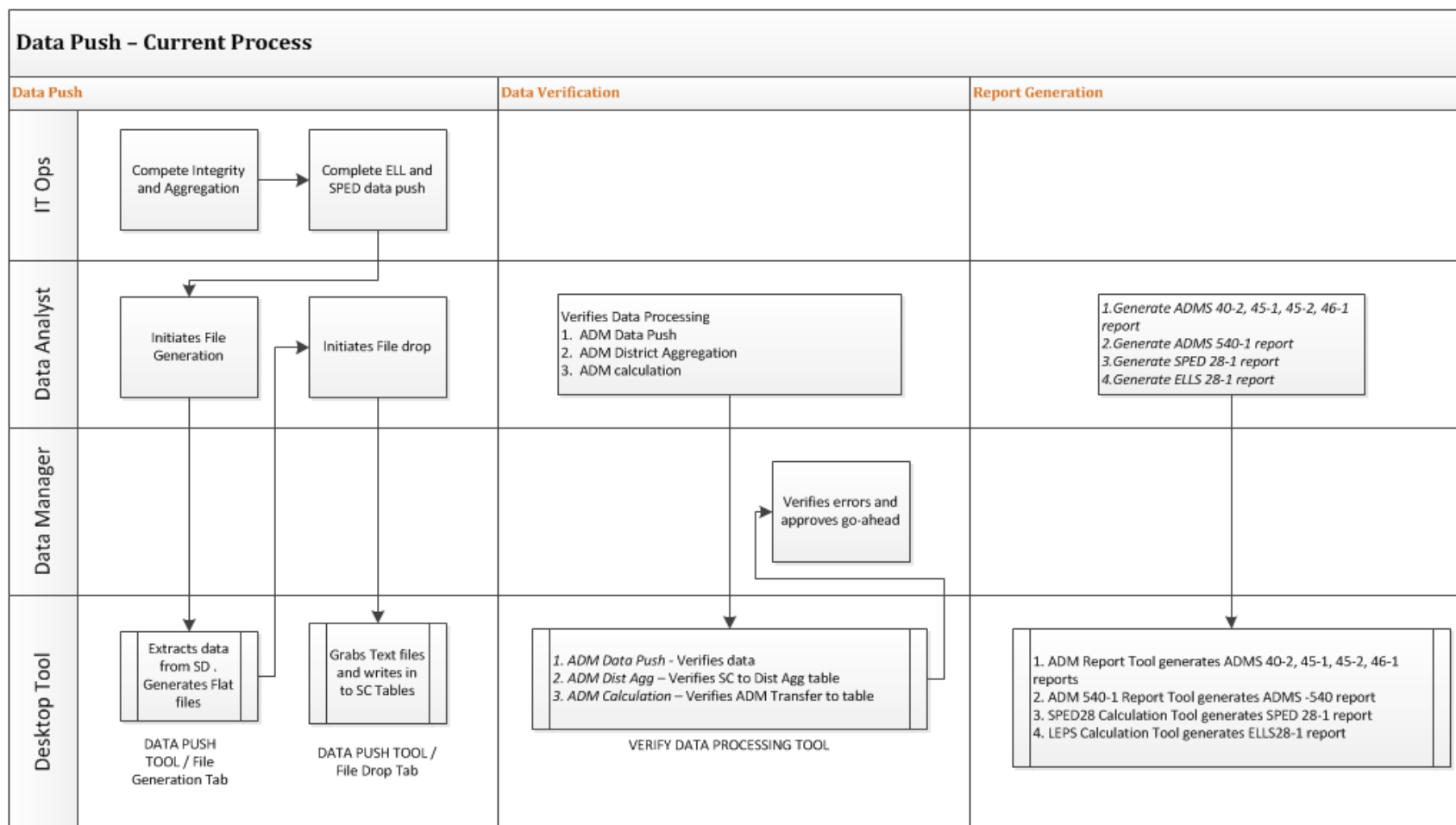
- Provide direct access to students, parents, teachers and district administrators
- Two-pronged rollout plan will continue
  - SIS configuration
  - System onboarding
- Analyzing long-term usage and system support needs



Komal Dubey

# SCHOOL FINANCE DATA PUSH

# Current process

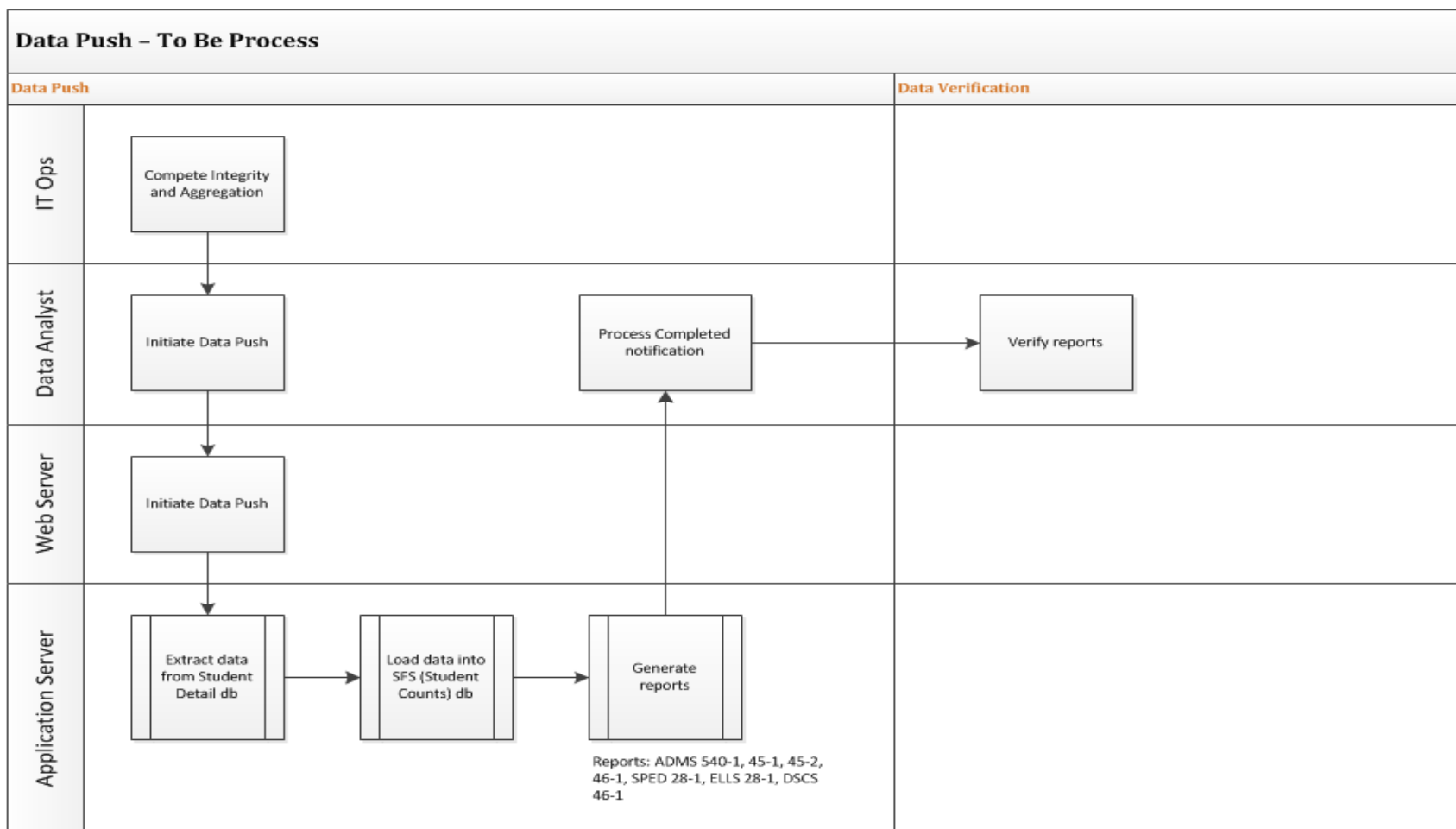


All these processes are time intensive and take a combined 8-10 hours to complete

# Current process

- 6 desktop tools
- Time consuming
- Manual intervention needed to start next step in the process
- No notification when process completes or fails
- Unsupported technology

# New process



# New process

- Single web application with intuitive user interface
- Streamlined process flow
- Improved processing time
- Minimal manual intervention
- Notification when process completes or fails
- Generate audit trail of all process tracking information of the parameters, comments, log messages and record count
- Newer technology

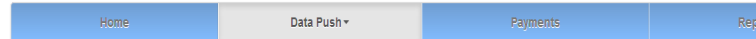
# Data Push application



Desktop Browser

Search/View

Initiate Data Push Request



## Student Counts Data Push - Initiate

Fiscal Year: 2013

Data to Process: ☐ ADM ☐ SPED ☐ ELL

LEA

☐ Process Data for All LEAs  
☐ Process Data for all LEAs in this list  
☐ Process Data for all LEAs except in this list.

Comment



## Student Counts Data Push - Search

Date Ranges: Last 30 Days

Process Status: All

Initiated	Started	Ended	Duration	Status	Username	Actions	Cancel
05/07/13 10:46:14 AM				Cancelled	DP User	<input type="button" value="Information"/>	
05/07/13 10:45:47 AM				Cancelled	DP User	<input type="button" value="Information"/>	
05/07/13 10:45:14 AM				Cancelled	DP User	<input type="button" value="Information"/>	
05/07/13 10:30:57 AM	05/07/13 10:31:46 AM	05/07/13 11:15:48 AM	0:44:01	Completed	DP User	<input type="button" value="Information"/>	
05/07/13 10:10:06 AM	05/07/13 10:13:53 AM	05/07/13 10:18:03 AM	0:04:09	Completed	DP User	<input type="button" value="Information"/>	
05/03/13 1:10:07 PM				Cancelled	DP User	<input type="button" value="Information"/>	
05/03/13 1:09:46 PM				Cancelled	DP User	<input type="button" value="Information"/>	
05/02/13 10:24:40 AM	05/02/13 10:26:27 AM	05/02/13 10:32:23 AM	0:05:56	Completed	DP User	<input type="button" value="Information"/>	
05/02/13 10:24:31 AM	05/02/13 10:25:27 AM	05/02/13 10:25:45 AM	0:00:18	Completed	DP User	<input type="button" value="Information"/>	
05/02/13 10:10:51 AM	05/02/13 10:11:28 AM	05/02/13 10:11:51 AM	0:00:23	Completed	DP User	<input type="button" value="Information"/>	

Process Information

Initiated	Started	Ended	Duration	Status	Submitted By
05/07/13 10:30:57 AM	05/07/13 10:31:46 AM	05/07/13 11:15:48 AM	0:44:01	Completed	DP User

[Parameters](#) [Comments](#) [Log Messages](#) [Record Count](#)

Date & Time	Message
05/07/13 10:31:46 AM	Data Push process started
05/07/13 10:31:46 AM	Load LEA List started
05/07/13 10:31:51 AM	Load LEA List ended
05/07/13 10:31:51 AM	Extract and Load of ADM data started
05/07/13 10:32:28 AM	Extract and Load of ADM data ended
05/07/13 10:32:28 AM	ADMS 45-1 report generation started
05/07/13 11:02:30 AM	ADMS 45-1 report generation ended



# Performance results

Test Results for FY 2013, All LEAs, ADM, SPED and ELL

Process	Current Process Time	Process Time After updates	Comments
Extract and Load of data	8 hrs	1 min 15 secs	includes ADM, SPED, ELL
Generate ADM reports	3 hrs	40 mins	ADMS 45-1 took 30 mins
Generate SPED report	10 mins	3 mins	
Generate ELL report	10 mins	2 mins	
	Total Time 11 hrs 20 mins	Total Time 47 mins	



# **BUDGET UPDATE**

# Fourth quarter objectives

- Complete third party assessment, host state data conferences, develop and implement AELAS communication
- Begin developing process for external data requests
- Inventory existing ADE data collections, and match data collections to statute or federal mandate
- Complete Agency inventory of data needs and define Agency data governance process
- Complete School Finance data push to reduce manual processes
- Begin formalized process for undefined reserve to ensure adequate capacity for new technology
- ADE network infrastructure hardware and support, IDEAL support, IDEAL license, critical LAN upgrade
- Build additional capacity and sustainability required for new technology improvements
- IMS deployment to SLDS pilot group, MCESA TNL tools and complete integration with state's largest technology vendor; begin integration of other vendors

# **Fourth quarter objective:**

## **Infrastructure bank \$150,000**

- Software development projects are impacted because of inability to acquire infrastructure in a timely manner
- Plan will increase visibility and provide a process for charge back
- Project creates a process to manage utilization and gives ADE IT ability to forecast trends
- Building infrastructure requirements into new and established project road maps, including release of infrastructure at end of projects

# Resource requests

- |                                 |              |
|---------------------------------|--------------|
| • SAIS Phase I Replacement      | \$ 1,200,000 |
| • Improve internal ADE programs | \$ 1,200,000 |
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TOTAL	\$ 2,400,000
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# Questions



Contact

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